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Kinematics & Dynamics	Wave Motions in Solids	Internal Flow (Inlets, Nozzles, Diffusers & Cascades)	Combustion
Analytical Methods Used in Applied Mechanics	Impact on Solids	Free Shear Layers (Mixing Layers, Jets, Wakes, Cavities & Plumes)	Prime Movers & Propulsion Devices
Numerical Methods & Digital Computing	Soil Mechanics (Basic)	Flow Stability	Electro-Magneto-Fluid Dynamics
Finite Element Methods	Soil Mechanics (Applied)	Turbulence	Mechanics of Plasmas
Analogies & Analog Computation	Rock Mechanics	Wave Motions in Incompressible Fluids	Aeroelasticity
Systems & Control	Materials Processing	Wave Motions in Compressible Fluids	Astronautics (Celestial & Orbital Mechanics)
Systems & Control (Optional)	Fracture Processes	Aerodynamics	Explosions & Ballistics
Systems & Control (Applications)	Fracture (Crack) Mechanics	Machinery Fluid Dynamics	Acoustics
Biocontrol	Experimental Stress Analysis	Flow Measurement & Flight Test Techniques	Thermal Effects in Solids
Elasticity	Material Test Techniques	Thermodynamics	Multiphase Flows
Viscoelasticity	Structures (Basic)	Heat Transfer (Convection & Boiling)	Micromeritics
Plasticity	Structures (Applied)	Heat Transfer (Conduction, Radiation & Combined Modes)	Porous Media
Composite Material Mechanics	Structures (Containment)	Heat Transfer (Applications)	Geomechanics
Strings, Ropes, Beams, Etc.	Machine Elements & Machine Design		Earthquake Engineering
Plates, Shells & Membranes	Fastening & Joining		Hydrology, Oceanography & Meteorology
Structural Stability (Buckling, Postbuckling)	Rheology		Naval Mechanics
Vibrations of Solids (Basic)	Hydraulics		Friction, Wear & Lubrication (Tribology)
Vibrations (Structural Elements)	Incompressible Flow		Biomechanics
	Compressible Flow		
	Rarefied Flow		
	Wall Layers (Including Boundary Layers)		

Continuum Mechanics

See also: Elasticity (Index page 258)
Wave Motions in Solids (Index page 259)
Incompressible Flow (Index page 261)
Thermodynamics (Index page 263)

Month	Page Numbers	Item Numbers
January	1- 3	1- 13
February	125- 128	843- 859
March	281- 283	1787- 1800
April	425- 427	2665- 2675
May	593- 596	3684- 3697
June	753- 755	4662- 4676
July	917- 920	5655- 5665
August	1085-1088	6599- 6612
September	1245-1247	7561- 7571
October	1395-1397	8486- 8502
November	1557-1560	9439- 9456
December	1717-1718	10370-10375

Kinematics & Dynamics

See also: Vibrations of Solids, Basic (Index page 259)
Machine Elements & Machine Design (Index page 261)
Astronautics, Celestial & Orbital Mechanics (Index page 264)

Month	Page Numbers	Item Numbers
January	3- 5	14- 25
February	128- 130	860- 875
March	283- 285	1801- 1807
April	427- 428	2676- 2682
May	596- 598	3698- 3708
June	755- 757	4677- 4690
July	920- 921	5666- 5674
August	1088-1089	6614- 6627
September	1247-1249	7572- 7583
October	1397-1398	8503- 8515
November	1560-1562	9457- 9467
December	1718-1720	10376-10390

Analytical Methods Used in Applied Mechanics

Month	Page Numbers	Item Numbers
January	5- 8	26- 54
February	130- 135	876- 909
March	285- 290	1808- 1842
April	428- 431	2683- 2702
May	598- 601	3709- 3739
June	758- 764	4691- 4732
July	921- 925	5675- 5704
August	1090-1094	6628- 6664
September	1249-1256	7584- 7626
October	1398-1404	8516- 8547
November	1562-1565	9468- 9491
December	1720-1724	10391-10414

Numerical Methods & Digital Computing

See also: Finite Element Methods (This Index page)

Month	Page Numbers	Item Numbers
January	8- 11	55- 80
February	135- 139	910- 937
March	290- 294	1843- 1872
April	431- 436	2703- 2735
May	601- 606	3740- 3765
June	764- 767	4733- 4757
July	925- 928	5705- 5722
August	1094-1098	6665- 6686
September	1256-1259	7627- 7648
October	1404-1406	8548- 8564
November	1565-1568	9492- 9510
December	1724-1728	10415-10443

Finite Element Methods

See also: Numerical Methods & Digital Computing (This Index page)

Month	Page Numbers	Item Numbers
January	11- 13	81- 90
February	139- 141	938- 950
March	294- 297	1873- 1888
April	436- 438	2736- 2745
May	606- 608	3766- 3779
June	767- 770	4758- 4772
July	928- 930	5723- 5735
August	1098-1099	6687- 6698
September	1259-1262	7649- 7666
October	1407-1408	8565- 8578
November	1568-1571	9511- 9523
December	1728-1730	10444-10455

Analogies & Analog Computation

Month	Page Numbers	Item Numbers
January	...	...
February	141- 142	951- 952
March	...	...
April	438- 439	2746- 2748
May	...	...
June	...	...
July	...	...
August	1099-1100	6699- 6702
September	...	...
October	1409	8579- 8582
November	...	...
December	1730	10456-10460

Systems & Control

See also: Vibrations of Solids, Basic (Index page 259)

Month	Page Numbers	Item Numbers
January	13- 16	91- 112
February	142- 145	953- 977
March	298- 300	1889- 1912
April	439- 444	2749- 2782
May	609- 612	3780- 3804
June	770- 773	4773- 4798
July	931- 934	5736- 5759
August	1100-1103	6703- 6721
September	1262-1265	7667- 7687
October	1409-1413	8583- 8610
November	1571-1574	9524- 9546
December	1731-1734	10461-10485

Systems & Control (Optimal)

See also: Analytical Methods Used in Applied Mechanics (Index page 257)

Month	Page Numbers	Item Numbers
January	16- 19	113- 133
February	145- 148	978- 996
March	300- 303	1913- 1936
April	444- 448	2783- 2807
May	612- 615	3805- 3828
June	774- 778	4799- 4828
July	934- 939	5760- 5787
August	1103-1106	6722- 6744
September	1265-1269	7688- 7714
October	1413-1417	8611- 8635
November	1574-1577	9547- 9567
December	1734-1738	10486-10508

Systems & Control (Applications)

See also: Astronautics, Celestial & Orbital Mechanics (Index page 264)

Month	Page Numbers	Item Numbers
January	19- 20	134- 137
February	148- 149	997- 1004
March	303- 305	1937- 1945
April	448- 449	2808- 2813
May	615- 617	3829- 3837
June	778- 779	4829- 4840
July	939- 940	5788- 5791
August	...	...
September	1269-1270	7715- 7721
October	1417-1418	8636- 8641
November	1577-1578	9568- 9574
December	1738-1739	10509-10517

Biocontrol

See also: Biomechanics (Index page 265)

Month	Page Numbers	Item Numbers
January	20- 21	138- 150
February	149- 150	1005- 1010
March	305- 306	1946- 1952
April	449- 451	2814- 2827
May	617- 619	3838- 3845
June	780	4841- 4847
July	940- 941	5792- 5797
August	1106-1107	6745- 6747
September	1270-1271	7722- 7728
October	...	...
November	1578	9575- 9578
December	1739-1741	10518-10527

Elasticity

See also: Continuum Mechanics (Index page 257)

Fracture (Crack) Mechanics (Index page 260)

Experimental Stress Analysis (Index page 260)

Month	Page Numbers	Item Numbers
January	21- 23	151- 169
February	150- 153	1011- 1029
March	306- 308	1953- 1972
April	451- 455	2828- 2854
May	619- 622	3846- 3867
June	781- 783	4848- 4868
July	941- 944	5798- 5819
August	1107-1111	6748- 6768
September	1271-1273	7729- 7745
October	1418-1421	8642-8664
November	1579-1582	9579- 9602
December	1741-1745	10528-10556

Viscoelasticity

See also: Continuum Mechanics (Index page 258)

Experimental Stress Analysis (Index page 260)

Month	Page Numbers	Item Numbers
January	23- 25	170- 181
February	153- 154	1030- 1037
March	308- 309	1973- 1979
April	455- 456	2855- 2865
May	622- 623	3868- 3877
June	783- 785	4869- 4875
July	944- 946	5820- 5830
August	1112-1113	6769- 6779
September	1273-1274	7746- 7754
October	1421-1423	8665- 8676
November	1582-1583	9603- 9616
December	1745-1746	10557-10565

Plasticity

See also: Continuum Mechanics (Index page 257)

Materials Processing (Index page 260)

Experimental Stress Analysis (Index page 260)

Month	Page Numbers	Item Numbers
January	25- 27	182- 197
February	154- 157	1038- 1052
March	309- 311	1980- 1992
April	456- 458	2866- 2874
May	623- 625	3879- 3892
June	785- 786	4876- 4886
July	946- 948	5831- 5841
August	1113-1115	6780- 6792
September	1274-1276	7755- 7765
October	1423-1425	8677- 8692
November	1584-1586	9617- 9630
December	1746-1748	10566-10573

**Composite Materials
Mechanics**

See also: Wave Motions in Solids (This Index page)

Month	Page Numbers	Item Numbers
January	27- 29	198- 207
February	157- 159	1053- 1066
March	312- 313	1993- 2005
April	458- 460	2875- 2892
May	625- 627	3893- 3904
June	786- 788	4887- 4898
July	948- 951	5842- 5855
August	1115-1117	6793- 6800
September	1276-1277	7766- 7770
October	1426-1429	8693- 8708
November	1586-1588	9631- 9644
December	1748-1751	10574-10590

Strings, Ropes, Beams, Etc.

Month	Page Numbers	Item Numbers
January	29- 30	208- 215
February	160	1067- 1072
March	313- 314	2006- 2010
April	460- 462	2893- 2903
May	627- 628	3905- 3914
June	788- 790	4899- 4910
July	951	5856- 5861
August	1117-1118	6801- 6806
September	1277-1279	7771- 7782
October	1429	8709- 8713
November	1588-1589	9645- 9651
December	1751-1753	10591-10598

Plates, Shells & Membranes

Month	Page Numbers	Item Numbers
January	30- 34	216- 245
February	161- 163	1073- 1088
March	314- 317	2011- 2033
April	462- 464	2904- 2924
May	628- 631	3915- 3932
June	790- 793	4911- 4934
July	951- 956	5862- 5887
August	1118-1121	6807- 6831
September	1279-1282	7783- 7807
October	1429-1435	8714- 8746
November	1589-1592	9652- 9672
December	1753-1755	10599-10619

**Structural Stability
(Buckling, Postbuckling)**

Month	Page Numbers	Item Numbers
January	34- 37	246- 271
February	163- 166	1089- 1109
March	317- 319	2034- 2050
April	465- 468	2925- 2945
May	631- 634	3933- 3952
June	793- 796	4935- 4953
July	956- 961	5888- 5911
August	1121-1124	6832- 6854
September	1282-1285	7808- 7830
October	1435-1439	8747- 8773
November	1592-1596	9673- 9695
December	1755-1758	10620-10638

Vibrations of Solids (Basic)

Month	Page Numbers	Item Numbers
January	37- 40	272- 290
February	166- 167	1110- 1117
March	319- 321	2051- 2062
April	468- 470	2946- 2957
May	634- 637	3953- 3973
June	796- 797	4954- 4962
July	961- 963	5912- 5928
August	1124-1126	6855- 6872
September	1286-1288	7831- 7852
October	1439-1441	8774- 8794
November	1596-1598	9696- 9706
December	1758-1760	10639-10653

**Vibrations
(Structural Elements)**

Month	Page Numbers	Item Numbers
January	40- 43	291- 317
February	167- 171	1118- 1143
March	321- 323	2063- 2082
April	470- 474	2958- 2989
May	637- 640	3974- 3997
June	797- 800	4963- 4980
July	963- 966	5929- 5947
August	1126-1130	6873- 6896
September	1288-1292	7853- 7876
October	1442-1446	8795- 8821
November	1598-1602	9707- 9732
December	1760-1763	10654-10672

Vibrations (Structures)See also: Machine Elements & Machine Design (Index page 261)
Aeroelasticity (Index page 264)
Earthquake Engineering (Index page 265)

Month	Page Numbers	Item Numbers
January	43- 44	318- 324
February	171- 173	1144- 1158
March	323- 325	2083- 2090
April	474- 476	2990- 3002
May	640	3998- 4004
June	800- 801	4981- 4992
July	966- 967	5948- 5954
August	1130-1131	6897- 6909
September	1292-1294	7877- 7889
October	1446-1447	8822- 8830
November	1602-1605	9733- 9749
December	1763	10673-10676

Wave Motions in SolidsSee also: Geomechanics (Index page 265)
Earthquake Engineering (Index page 265)

Month	Page Numbers	Item Numbers
January	44- 45	325- 337
February	173- 175	1159- 1172
March	325- 327	2091- 2108
April	476- 479	3003- 3018
May	640- 643	4005- 4022
June	802- 804	4993- 5007
July	967- 970	5955- 5972
August	1131-1135	6910- 6932
September	1294-1297	7890- 7910
October	1447-1450	8831- 8844
November	1605-1607	9750- 9757
December	1764-1766	10677-10690

Impact on SolidsSee also: Materials Test Techniques
(This Index page)

Month	Page Numbers	Item Numbers
January	...	...
February	175- 176	1173- 1176
March	327- 328	2109- 2111
April	479- 480	3019- 3024
May	...	...
June	804	5008- 5014
July	970	5973- 5976
August	...	...
September	1297-1298	7911- 7920
October	...	...
November	1607	9758- 9763
December	...	...

Rock Mechanics

See also: Geomechanics (Index page 265)

Month	Page Numbers	Item Numbers
January	48	350- 352
February	179- 180	1188- 1191
March	331- 332	2127- 2129
April	481- 482	3037- 3043
May	645- 646	4041- 4044
June	807- 808	5029- 5033
July	973	5988- 5991
August	...	...
September	...	...
October	1454	8864- 8866
November	1610	9775- 9778
December	1768-1769	10702-10711

**Fracture (Crack)
Mechanics**See also: Elasticity (Index page 258)
Fracture Processes (This Index page)

Month	Page Numbers	Item Numbers
January	51- 53	369- 380
February	187- 190	1225- 1244
March	335- 336	2148- 2158
April	488- 491	3074- 3090
May	650- 654	4072- 4089
June	813- 816	5061- 5083
July	981- 983	6023- 6034
August	1142-1145	6971- 6991
September	1303-1306	7954- 7970
October	1458-1462	8892- 8914
November	1616-1618	9805- 9820
December	1773-1777	10736-10752

Soil Mechanics (Basic)

See also: Micromeritics (Index page 265)

Month	Page Numbers	Item Numbers
January	46	338- 339
February	177	1177- 1180
March	328- 329	2112- 2118
April	480	3025- 3030
May	643- 644	4023- 4032
June	805	5015- 5021
July	971- 972	5977- 5983
August	1135-1136	6933- 6935
September	1298-1299	7921- 7926
October	1450-1453	8845- 8857
November	1608	9764- 9769
December	1776-1767	10691-10695

Materials Processing

See also: Plasticity (Index page 259)

Month	Page Numbers	Item Numbers
January	49- 50	353- 363
February	180- 183	1192- 1204
March	332- 334	2130- 2141
April	482- 484	3044- 3055
May	646- 649	4045- 4060
June	808- 809	5034- 5041
July	973- 976	5992- 6004
August	1137-1139	6942- 6954
September	1300	7930- 7938
October	1454-1457	8867- 8885
November	1610-1612	9779- 9791
December	1769-1770	10712-10718

**Experimental Stress
Analysis**

Month	Page Numbers	Item Numbers
January	53- 54	381- 389
February	190- 193	1245- 1259
March	336- 338	2159- 2170
April	491- 493	3091- 3105
May	654- 655	4090- 4100
June	816- 817	5084- 5089
July	983- 985	6035- 6043
August	1145-1147	6992- 7005
September	1306-1307	7971- 7974
October	1462-1464	8915- 8923
November	1618-1620	9821- 9829
December	1777-1778	10753-10761

Soil Mechanics (Applied)

Month	Page Numbers	Item Numbers
January	46- 48	340- 349
February	177- 179	1181- 1187
March	329- 330	2119- 2126
April	481	3031- 3036
May	644- 645	4033- 4040
June	805- 807	5022- 5028
July	972- 973	5984- 5987
August	1136-1137	6936- 6941
September	1229	7927- 7929
October	1453	8858- 8863
November	1608-1610	9770- 9774
December	1767-1768	10696-10701

Fracture ProcessesSee also: Fracture (Crack) Mechanics
(This Index page)

Month	Page Numbers	Item Numbers
January	50- 51	364- 368
February	183- 186	1205- 1224
March	334- 335	2142- 2147
April	484- 488	3056- 3073
May	649- 650	4061- 4071
June	809- 812	5042- 5060
July	976- 981	6005- 6022
August	1139-1142	6955- 6970
September	1301-1303	7939- 7953
October	1457-1458	8886- 8891
November	1612-1616	9792- 9804
December	1770-1773	10719-10735

Materials Test TechniquesSee also: Friction, Wear & Lubrication,
Tribology (Index page 265)

Month	Page Numbers	Item Numbers
January	54- 56	390- 400
February	193- 194	1260- 1272
March	338- 339	2171- 2179
April	493- 494	3106- 3113
May	655- 657	4101- 4111
June	817- 818	5090- 5096
July	985- 987	6044- 6052
August	1147	7006- 7010
September	1307-1309	7975- 7990
October	1464-1465	8924- 8931
November	1620-1622	9830- 9844
December	1778-1780	10762-10770

Structures (Basic)

See also: Vibrations, Structural Elements
(Index page 259)
Impact on Solids (Index page 260)

Month	Page Numbers	Item Numbers
January	56- 58	401- 417
February	194- 196	1273- 1280
March	339- 341	2180- 2195
April	494- 496	3114- 3127
May	657- 659	4112- 4128
June	818- 820	5097- 5112
July	987- 989	6053- 6069
August	1148-1151	7011- 7025
September	1309-1311	7991- 8001
October	1465-1468	8932- 8949
November	1623-1624	9845- 9855
December	1780-1782	10771-10782

Structures (Applied)

See also: Strings, Ropes, Beams, Etc.
(Index page 259)
Plates, Shells & Membranes
(Index page 259)
Structural Stability; Buckling,
Postbuckling (Index page 259)

Month	Page Numbers	Item Numbers
January	58- 59	418- 425
February	196- 197	1281- 1291
March	342- 343	2196- 2205
April	496- 498	3128- 3140
May	659- 663	4129- 4142
June	821	5113- 5119
July	989- 990	6070- 6074
August	1151-1154	7026- 7039
September	1311-1312	8002- 8013
October	1468-1470	8950- 8962
November	1624-1626	9856- 9867
December	1783-1784	10783-10791

Structures (Containment)

See also: Plates, Shells & Membranes
(Index page 259)

Month	Page Numbers	Item Numbers
January	...	...
February	197- 199	1292- 1299
March	343- 344	2206- 2210
April	...	...
May	663- 665	4143- 4149
June	821- 825	5120- 5126
July	990	6075- 6078
August	1154-1155	7040- 7043
September	1312-1313	8014- 8017
October	1470-1471	8963- 8966
November	1626-1627	9868- 9874
December	...	...

Machine Elements & Machine Design

See also: Vibrations, Structures
(Index page 259)
Friction, Wear & Lubrication;
Tribology (Index page 265)

Month	Page Numbers	Item Numbers
January	59- 61	426- 439
February	199- 200	1300- 1309
March	344- 346	2211- 2226
April	498- 501	3141- 3161
May	665- 667	4150- 4162
June	825- 827	5127- 5142
July	990- 992	6079- 6093
August	1156-1157	7044- 7057
September	1313-1317	8018- 8038
October	1471-1473	8967- 8984
November	1627-1630	9875- 9890
December	1784-1787	10792-10812

Fastening & Joining

Month	Page Numbers	Item Numbers
January	61	440- 442
February	200	1310- 1312
March	346- 347	2227- 2233
April	...	...
May	667- 668	4163- 4168
June	827- 828	5143- 5149
July	993	6094- 6097
August	...	...
September	1317	8039- 8043
October	1473-1474	8985- 8988
November	1630-1631	9891- 9895
December	1787-1788	10813-10819

Rheology

See also: Heat Transfer, Convection &
Boiling (Index page 263)

Month	Page Numbers	Item Numbers
January	62- 63	443- 453
February	201- 202	1313- 1320
March	347- 348	2234- 2240
April	501- 502	3162- 3169
May	668- 669	4169- 4175
June	...	...
July	993- 996	6098- 6113
August	1158-1159	7058- 7070
September	1318-1319	8044- 8052
October	1474-1476	8989- 9000
November	1631-1633	9896- 9912
December	1788-1790	10820-10832

Hydraulics

See also: Wave Motions in Incompressible
Fluids (Index page 262)
Porous Media (Index page 265)
Hydrology, Oceanography &
Meteorology (Index page 265)

Month	Page Numbers	Item Numbers
January	63	454- 458
February	202- 203	1321- 1327
March	348- 351	2241- 2255
April	503- 505	3170- 3174
May	669- 671	4176- 4183
June	828- 830	5150- 5161
July	996- 999	6114- 6129
August	1159-1161	7071- 7084
September	...	...
October	1476-1477	9001- 9006
November	1633-1635	9913- 9920
December	1790-1793	10833-10848

Incompressible Flow

See also: Aerodynamics (Index page 263)

Month	Page Numbers	Item Numbers
January	64- 66	459- 473
February	203- 206	1328- 1347
March	351- 352	2256- 2269
April	505- 507	3175- 3188
May	671- 673	4184- 4201
June	830- 835	5162- 5181
July	999-1000	6130- 6139
August	1161-1165	7085- 7104
September	1319-1323	8053- 8073
October	1477-1480	9007- 9023
November	1635-1638	9921- 9942
December	1793-1797	10849-10875

Compressible Flow

See also: Wall Layers, Including Boundary
Layers (Index page 262)
Internal Flow; Inlets, Nozzles,
Diffusers & Cascades
(Index page 262)
Aerodynamics (Index page 263)

Month	Page Numbers	Item Numbers
January	66- 67	474- 483
February	206- 207	1348- 1355
March	352- 353	2270- 2273
April	507- 508	3189- 3194
May	673- 674	4202- 4213
June	835- 836	5182- 5188
July	1001	6140- 6147
August	1165-1166	7105- 7112
September	1323-1324	8074- 8078
October	1480	9024- 9027
November	1638-1639	9943- 9951
December	1797-1798	10876-10884

Rarefied Flow

Month	Page Numbers	Item Numbers
January	67- 68	484- 489
February	...	...
March	353- 354	2274- 2278
April	508- 509	3195- 3200
May	674- 675	4214- 4218
June	836	5189- 5192
July	1001-1003	6148- 6155
August	1166-1167	7113- 7119
September	1324-1325	8079- 8087
October	1480-1481	9028- 9033
November	1639-1640	9952- 9958
December	1798-1800	10885-10892

Wall Layers**(Including Boundary Layers)**

See also: Flow Stability (This Index page)
Turbulence (This Index page)

Month	Page Numbers	Item Numbers
January	68- 71	490- 506
February	207- 210	1356- 1377
March	354- 356	2279- 2294
April	509- 513	3201- 3219
May	675- 678	4219- 4239
June	836- 840	5193- 5218
July	1003-1008	6156- 6182
August	1167-1171	7120- 7141
September	1325-1327	8088- 8098
October	1481-1484	9034- 9050
November	1640-1643	9959- 9976
December	1800-1803	10893-10910

Internal Flow**(Pipe, Channel & Couette)**

See also: Rheology (Index page 261)
Incompressible Flow
(Index page 261)

Month	Page Numbers	Item Numbers
January	71- 72	507- 511
February	210- 213	1378- 1392
March	356- 357	2295- 2303
April	513- 515	3220- 3232
May	679	4240- 4245
June	841	5219- 5223
July	1008-1009	6183- 6189
August	1171	7142- 7146
September	1327-1328	8099- 8107
October	1485-1487	9051- 9067
November	1643-1644	9977- 9986
December	1803-1805	10911-10928

Internal Flow**(Inlets, Nozzles, Diffusers & Cascades)**

See also: Machinery Fluid Dynamics
(Index page 263)

Month	Page Numbers	Item Numbers
January	...	...
February	213- 214	1393- 1405
March	358	2304- 2307
April	515- 516	3233- 3238
May	680	4246- 4250
June	...	...
July	1009-1010	6190- 6198
August	1172	7147- 7151
September	1329	8108- 8113
October	1487-1488	9068- 9073
November	1645-1646	9987- 9992
December	1805-1806	10929-10933

Free Shear Layers**(Mixing Layers, Jets, Wakes, Cavities & Plumes)**

See also: Turbulence (This Index page)

Month	Page Numbers	Item Numbers
January	72- 73	512- 518
February	214- 216	1406- 1416
March	358- 360	2308- 2314
April	516- 517	3239- 3245
May	680- 682	4251- 4260
June	841- 844	5224- 5237
July	1010-1011	6199- 6208
August	1172-1174	7152- 7162
September	1330-1331	8114- 8123
October	1489-1490	9074- 9082
November	1646-1647	9993-10000
December	1806-1808	10934-10944

Flow Stability

See also: Wall Layers, Including Boundary
Layers (This Index page)

Month	Page Numbers	Item Numbers
January	73- 74	519- 525
February	216- 217	1417- 1424
March	360- 361	2315- 2324
April	517- 518	3246- 3253
May	682- 685	4261- 4270
June	844- 846	5238- 5249
July	1011-1012	6209- 6215
August	1174-1175	7163- 7170
September	1331-1333	8124- 8135
October	1490	9083- 9085
November	1647-1649	10001-10011
December	1808-1809	10945-10955

Turbulence

See also: Wall Layers, Including Boundary
Layers (This Index page)
Free Shear Layers; Mixing Layers,
Jets, Wakes, Cavities & Plumes
(This Index page)

Month	Page Numbers	Item Numbers
January	74- 75	526- 538
February	217- 220	1425- 1441
March	362- 364	2325- 2338
April	518- 521	3254- 3268
May	685- 687	4271- 4287
June	846- 848	5250- 5266
July	1013-1015	6216- 6225
August	1175-1176	7171- 7180
September	1333-1334	8136- 8142
October	1491-1493	9086- 9100
November	1649-1650	10012-10015
December	1810-1813	10956-10972

Wave Motions**in Incompressible Fluids**

See also: Hydraulics (Index page 261)
Hydrology, Oceanography &
Meteorology (Index page 265)
Naval Mechanics (Index page 265)

Month	Page Numbers	Item Numbers
January	76- 77	539- 550
February	220- 222	1442- 1452
March	364- 367	2339- 2355
April	521- 524	3269- 3281
May	687- 689	4288- 4301
June	848- 850	5267- 5279
July	1015-1017	6226- 6236
August	1177-1178	7181- 7195
September	1334-1337	8143- 8161
October	1494-1497	9101- 9118
November	1650-1652	10016-10030
December	1813-1815	10973-10986

Wave Motions**in Compressible Fluids**

See also: Compressible Flow
(Index page 261)
Explosions & Ballistics
(Index page 264)

Month	Page Numbers	Item Numbers
January	77- 78	551- 559
February	222- 223	1453- 1460
March	367- 368	2356- 2363
April	524- 525	3282- 3289
May	...	...
June	850- 851	5280- 5289
July	1017-1018	6237- 6245
August	1179-1180	7196- 7203
September	1337-1338	8162- 8166
October	1497-1498	9119- 9127
November	1652-1654	10031-10042
December	1815-1816	10987-10992

Aerodynamics

Month	Page Numbers	Item Numbers
January	78- 80	560- 571
February	223- 225	1461- 1477
March	368- 370	2364- 2382
April	525- 526	3290- 3299
May	689- 690	4302- 4311
June	851- 853	5290- 5303
July	1018-1022	6246- 6274
August	1180-1181	7204- 7214
September	1338-1340	8167- 8177
October	1498-1501	9128- 9144
November	1654-1657	10043-10058
December	1816-1818	10993-11009

Machinery Fluid Dynamics

See also: Internal Flow; Inlets, Nozzles,
Diffusers & Cascades
(Index page 262)
Naval Mechanics (Index page 265)

Month	Page Numbers	Item Numbers
January	80- 81	572- 578
February	225- 226	1478- 1486
March	370- 371	2383- 2390
April	526- 528	3300- 3313
May	690- 691	4312- 4320
June	853- 856	5304- 5318
July	1022-1024	6275- 6285
August	1181-1183	7215- 7223
September	1340-1341	8178- 8189
October	1501-1502	9145- 9154
November	1657	10059-10062
December	1818-1821	11010-11024

**Flow Measurements &
Flight Test Techniques**

See also: Turbulence (Index page 262)
Aerodynamics (This Index page)

Month	Page Numbers	Item Numbers
January	81- 82	579- 585
February	226- 228	1487- 1499
March	372- 373	2391- 2399
April	528- 529	3314- 3317
May	692- 693	4321- 4330
June	856- 857	5319- 5328
July	1024-1025	6286- 6295
August	1183-1186	7224- 7240
September	1341-1343	8190- 8200
October	1502-1503	9155- 9161
November	1658-1659	10063-10070
December	1821-1822	11025-11032

Thermodynamics

See also: Continuum Mechanics
(Index page 257)
Rarefied Flow (Index page 262)
Prime Movers & Propulsion Devices
(Index page 264)

Month	Page Numbers	Item Numbers
January	82- 83	586- 591
February	228- 229	1500- 1508
March	373- 374	2400- 2405
April	529- 530	3318- 3325
May	693- 695	4331- 4342
June	857- 860	5329- 5343
July	1025-1027	6296- 6307
August	1186-1187	7241- 7248
September	1343-1345	8201- 8209
October	1503-1506	9162- 9177
November	1659-1662	10071-10086
December	1822-1824	11033-11040

**Heat Transfer
(Convection & Boiling)**

See also: Wall Layers, Including Boundary
Layers (Index page 262)
Combustion (This Index page)
Multiphase Flows (Index page 264)

Month	Page Numbers	Item Numbers
January	83- 86	592- 607
February	229- 235	1510- 1540
March	374- 377	2406- 2421
April	530- 536	3326- 3362
May	695- 699	4343- 4367
June	860- 864	5344- 5370
July	1028-1031	6308- 6326
August	1187-1191	7249- 7272
September	1345-1349	8210- 8238
October	1506-1510	9178- 9200
November	1662-1666	10087-10108
December	1824-1827	11041-11060

**Heat Transfer
(Conduction, Radiation &
Combined Modes)**

See also: Thermal Effects in Solids
(Index page 264)

Month	Page Numbers	Item Numbers
January	86- 88	608- 621
February	235- 238	1541- 1564
March	377- 380	2422- 2439
April	536- 540	3363- 3387
May	699- 703	4368- 4396
June	864- 867	5371- 5394
July	1031-1035	6327- 6345
August	1192-1195	7273- 7293
September	1349-1352	8239- 8259
October	1510-1514	9201- 9227
November	1666-1669	10109-10127
December	1827-1829	11061-11077

Heat Transfer (Applications)

Month	Page Numbers	Item Numbers
January	88- 89	622- 627
February	238	1565- 1571
March	380- 382	2440- 2448
April	540- 542	3388- 3400
May	703- 704	4397- 4401
June	867- 869	5395- 5406
July	1035-1036	6346- 6354
August	1195-1196	7294- 7303
September	1352-1353	8260- 8267
October	1514-1515	9228- 9236
November	1669-1670	10128-10134
December	1830-1831	11078-11085

**Mass Transfer
(With & Without Heat
Transfer)**

See also: Porous Media (Index page 265)

Month	Page Numbers	Item Numbers
January	89- 90	628- 636
February	239- 241	1572- 1584
March	382- 384	2449- 2461
April	542- 546	3401- 3426
May	704- 706	4402- 4417
June	869- 870	5407- 5414
July	1036-1039	6355- 6372
August	1196-1198	7304- 7315
September	1353-1356	8268- 8283
October	1515-1519	9237- 9253
November	1670-1672	10135-10148
December	1831-1834	11086-11106

Combustion

See also: Prime Movers & Propulsion
Devices (Index page 264)

Month	Page Numbers	Item Numbers
January	90- 92	637- 648
February	241- 244	1585- 1601
March	384- 386	2462- 2477
April	546- 550	3427- 3451
May	706- 709	4418- 4433
June	870- 875	5415- 5438
July	1039-1042	6373- 6390
August	1198-1201	7316- 7334
September	1357-1359	8284- 8297
October	1519-1521	9254- 9271
November	1672-1677	10149-10172
December	1834-1838	11107-11127

Prime Movers & Propulsion Devices

See also: Machinery Fluid Dynamics
(Index page 263)
Combustion (Index page 263)

Month	Page Numbers	Item Numbers
January	92- 93	649- 653
February	244- 245	1602- 1615
March	386- 388	2478- 2486
April	550- 552	3452- 3463
May	709- 710	4434- 4439
June	875- 876	5439- 5445
July	1042-1044	6391- 6400
August	1201-1203	7335- 7345
September	1359-1360	8298- 8305
October	1521-1522	9272- 9275
November	1677-1679	10173-10184
December	1838	11128-11133

Electro-Magneto-Fluid Dynamics

See also: Mechanics of Plasmas
(This Index page)

Month	Page Numbers	Item Numbers
January	93- 96	654- 675
February	246- 250	1616- 1639
March	388- 391	2487- 2506
April	552- 555	3464- 3483
May	710- 714	4440- 4462
June	876- 880	5446- 5472
July	1044-1048	6401- 6427
August	1203-1206	7346- 7370
September	1360-1362	8306- 8320
October	1522-1524	9276- 9289
November	1679-1681	10185-10200
December	1839-1841	11134-11149

Mechanics of Plasmas

See also: Electro-Magneto-Fluid Dynamics
(This Index page)

Month	Page Numbers	Item Numbers
January	96- 97	676- 680
February	250- 252	1640- 1649
March	391- 393	2507- 2517
April	555- 556	3484- 3489
May	714- 715	4463- 4467
June	880- 882	5473- 5484
July	1048-1049	6428- 6436
August	1207-1208	7371- 7381
September	1362-1364	8321- 8328
October	1524-1525	9290- 9294
November	1681-1683	10201-10209
December	1841-1843	11150-11158

Aeroelasticity

See also: Vibrations, Structures
(Index page 259)
Aerodynamics (Index page 263)

Month	Page Numbers	Item Numbers
January	97- 98	681- 691
February	252- 253	1650- 1658
March	393- 394	2518- 2524
April	...	...
May	715- 716	4468- 4476
June	...	...
July	1049-1051	6437- 6444
August	1208-1209	7382- 7389
September	1364	8329- 8334
October	1525-1526	9295- 9299
November	1683-1684	10210-10220
December	1843-1844	11159-11165

Astronautics (Celestial & Orbital Mechanics)

Month	Page Numbers	Item Numbers
January	98- 100	692- 706
February	253- 256	1659- 1675
March	394- 397	2525- 2536
April	557- 560	3490- 3508
May	716- 719	4477- 4492
June	882- 884	5485- 5496
July	1051-1053	6445- 6460
August	1209-1213	7390- 7411
September	1364-1366	8335- 8347
October	1526-1528	9300- 9316
November	1684-1686	10221-10232
December	1844-1846	11166-11175

Explosions & Ballistics

See also: Wave Motions in Compressible
Fluids (Index page 262)

Month	Page Numbers	Item Numbers
January	100- 101	707- 714
February	256- 257	1676- 1681
March	...	...
April	560- 561	3509- 3521
May	720	4493- 4498
June	884- 886	5497- 5504
July	1054-1055	6461- 6468
August	1213	7412- 7415
September	...	...
October	1528-1529	9317- 9320
November	1686-1688	10233-10240
December	1846-1847	11176-11181

Acoustics

See also: Wave Motions in Solids
(Index page 259)
Wave Motions in Incompressible
Fluids (Index page 262)
Wave Motions in Compressible
Fluids (Index page 262)

Month	Page Numbers	Item Numbers
January	101- 104	715- 739
February	257- 260	1682- 1707
March	397- 401	2537- 2564
April	562- 567	3522- 3554
May	720- 727	4499- 4535
June	886- 892	5505- 5536
July	1055-1061	6469- 6501
August	1214-1219	7416- 7448
September	1366-1370	8348- 8374
October	1529-1533	9321- 9347
November	1688-1692	10241-10265
December	1847-1851	11182-11203

Thermal Effects in Solids

Month	Page Numbers	Item Numbers
January	104- 106	740- 752
February	...	...
March	401- 404	2565- 2579
April	567- 569	3555- 3568
May	727- 728	4536- 4545
June	892- 893	5537- 5546
July	1061-1062	6502- 6511
August	1219-1220	7449- 7455
September	1370-1371	8375- 8387
October	1533-1535	9348- 9360
November	1692-1694	10266-10273
December	1851-1853	11204-11214

Multiphase Flows

See also: Heat Transfer, Convection &
Boiling (Index page 263)
Porous Media (Index page 265)

Month	Page Numbers	Item Numbers
January	106- 107	753- 759
February	260- 262	1708- 1719
March	404- 405	2580- 2588
April	570- 571	3569- 3580
May	728- 729	4546- 4554
June	893- 894	5547- 5551
July	1062-1064	6512- 6521
August	1220-1221	7456- 7458
September	1371-1373	8388- 8399
October	1535-1537	9361- 9377
November	1694-1696	10274-10288
December	1853-1855	11215-11232

Micromeritics

See also: Soil Mechanics, Basic
(Index page 260)

Month	Page Numbers	Item Numbers
January	107- 108	760- 763
February	...	...
March	...	...
April	571- 572	3581- 3585
May	729- 730	4555- 4559
June	894	5552- 5554
July	...	...
August	1221	7459- 7460
September	1373-1374	8400- 8405
October	1538	9378- 9380
November	1696	10289-10292
December	...	...

Porous Media

See also: Hydrology, Oceanography &
Meteorology (This Index page)

Month	Page Numbers	Item Numbers
January	108	764- 769
February	262- 264	1720- 1728
March	405- 407	2589- 2598
April	572- 574	3586- 3601
May	730- 731	4560- 4569
June	894- 896	5555- 5566
July	...	...
August	1221-1223	7461- 7480
September	1374-1375	8406- 8414
October	1538-1539	9381- 9386
November	1697-1698	10293-10298
December	1856-1858	11233-11247

Geomechanics

See also: Wave Motions in Solids
(Index page 259)
Rock Mechanics (Index page 260)

Month	Page Numbers	Item Numbers
January	109- 110	770- 776
February	264- 265	1729- 1733
March	407- 408	2599- 2607
April	574- 576	3602- 3614
May	731- 732	4570- 4576
June	896- 897	5567- 5576
July	1064-1066	6522- 6531
August	1223-1225	7481- 7490
September	1375-1377	8415- 8428
October	...	...
November	1698-1699	10299-10306
December	1858-1859	11248-11254

Earthquake Engineering

See also: Vibrations, Structures
(Index page 259)
Wave Motions in Solids
(Index page 259)

Month	Page Numbers	Item Numbers
January	110- 111	777- 784
February	...	...
March	408- 410	2608- 2615
April	576	3615- 3617
May	732- 733	4577- 4583
June	898	5577- 5581
July	...	...
August	1225-1227	7491- 7498
September	1377-1379	8429- 8438
October	1539	9387- 9390
November	1699-1700	10307-10313
December	1859-1860	11255-11264

**Hydrology, Oceanography
& Meteorology**

See also: Hydraulics (Index page 261)
Wave Motions in Incompressible
Fluids (Index page 262)
Heat Transfer, Convection & Boiling
(Index page 263)

Month	Page Numbers	Item Numbers
January	111- 112	785- 795
February	265- 269	1734- 1753
March	410- 412	2616- 2629
April	576- 580	3618- 3639
May	733- 739	4584- 4614
June	898- 902	5582- 5604
July	1066-1069	6532- 6557
August	1227-1230	7499- 7518
September	1379-1382	8439- 8456
October	1539-1541	9391- 9399
November	1700-1703	10314-10330
December	1861-1862	11265-11274

Naval Mechanics

See also: Wave Motions in Incompressible
Fluids (Index page 262)

Month	Page Numbers	Item Numbers
January	112- 114	796- 805
February	269- 270	1754- 1757
March	412- 413	2630- 2633
April	580- 581	3640- 3648
May	739- 740	4615- 4622
June	902- 903	5605- 5611
July	1069-1070	6558- 6564
August	1231-1232	7519- 7525
September	1382-1383	8457- 8461
October	1541-1543	9400- 9409
November	1703-1704	10331-10338
December	1862	11275-11278

**Friction, Wear &
Lubrication (Tribology)**

See also: Elasticity (Index page 258)
Machine Elements & Machine
Design (Index page 261)
Incompressible Flow (Index 261)

Month	Page Numbers	Item Numbers
January	114- 116	806- 827
February	270- 272	1758- 1777
March	413- 416	2634- 2651
April	581- 583	3649- 3672
May	740- 743	4623- 4648
June	903- 907	5612- 5642
July	1070-1073	6565- 6586
August	1232-1234	7526- 7545
September	1383-1386	8462- 8477
October	1543-1546	9410- 9424
November	1705-1707	10339-10362
December	1863-1865	11279-11296

Biomechanics

See also: Biocontrol (Index page 258)

Month	Page Numbers	Item Numbers
January	117- 119	828- 842
February	272- 273	1778- 1786
March	416- 418	2652- 2664
April	584- 585	3673- 3682
May	744- 747	4649- 4659
June	907- 909	5643- 5654
July	1073-1075	6587- 6598
August	1234-1237	7546- 7558
September	1386-1387	8478- 8485
October	1546-1548	9425- 9437
November	1707-1709	10363-10369
December	1865-1868	11297-11315

Supplemental Journal Listing

The following publication list supplements the cumulative List of Publications Scanned for APPLIED MECHANICS REVIEWS which appeared in the 1974 Annual Index issue. This Supplement contains 56 entries of which 47 are new titles to AMR and 9 are journals published under new or revised titles. Former titles will be shown with the new title entry.

Titles are listed alphabetically in the form in which they appear on the journal. All articles and prepositions have been included except those which begin a title. The list does not contain any cross-references and where the title has been changed the last known entry of the publication is given. The origin of the journal is listed following the title unless the title indicates the city and/or country of publication. Where the city does not appear as a part of the title, then the city is shown, followed by the name of the country if the city is not well-known.

- Akademiiya Nauk Azerbaidzhanskoi SSR, Doklady. *Baku*
 Applied Energy. *Barking, Essex, United Kingdom*
 Archiwum Procesow Spalania. *Warsaw*
 ATA. *Turin*. (Formerly: ATA Giornale ed Atti della "Associazione Tecnica dell'Automobile.")
 Aviation Space and Environmental Medicine. *Washington, D.C.* (Formerly: Aerospace Medicine.)
 CBI Research. *Stockholm*
 Centre d'Etudes, de Recherches et d'Essais Scientifiques du Genie Civil, Memoires, C.E.R.E., Nouvelle Serie. *Liege*
 Chalmers Tekniska Hogskolas Handlingar. *Goteborg*
 Computers & Graphics. *Oxford, United Kingdom*
 Computers & Mathematics. *Oxford, United Kingdom*
 Control and Cybernetics. *Warsaw*
 CRC Critical Reviews in Bioengineering. *Cleveland, Ohio*.
 Delft Progress Report, Series D, Architecture/Social Sciences. Digital Processes. *Saphorin, Switzerland*
 Doklady Akademii Nauk BSSR. *Minsk*
 Doklady Akademii Nauk Tadzhikskoi SSR. *Dushanbe*
 Fizika Tverdogo Tela. *Leningrad*
 Gazovaya Promyshlennost. *Moskva*
 Highway Research Record. *Washington, D.C.*
 IAC, Istituto per le Applicazioni del Calcolo del Consiglio Nazionale delle Ricerche, Pubblicazioni, Serie III. *Rome*
 Information Processing & Management. *Oxford, United Kingdom*. (Formerly: Information Storage and Retrieval.)
 International Journal of Computer & Information Sciences. *New York*
 Issledovaniya po Teorii Plastin i Obolochek. *Kazan*
 Izvestiya Akademii Nauk Armyanskoi SSR, Seriya Tekhnicheskikh Nauk. *Erevan*
 Izvestiya Akademii Nauk Estonskoi SSR, Fizika, Matematika. *Tallin*
 Izvestiya Akademii Nauk Kazakhskoi SSR, Seriya Fiziko-Matematicheskaya. *Alma-Ata*
 Izvestiya Akademii Nauk Latvinskoi SSR, Seriya Fizicheskikh i Tekhnicheskikh Nauk. *Riga*
 Izvestiya Akademii Nauk UzSSR, Seriya Fiziko-Matematicheskikh Nauk. *Tashkent*
 Journal of Physics G, Nuclear Physics. *London*
 Journal of Science and Engineering Research. *Kharagpur, India*
 Journal of Technical Physics. *Warsaw*. (Formerly: Proceedings of Vibration Problems.)
 Journal of the Australian Mathematical Society, Series A, Pure Mathematics. *Jerusalem, Israel*. (Formerly: Journal of the Australian Mathematical Society.)
 Journal of the Australian Mathematical Society, Series B, Applied Mathematics. *Jerusalem, Israel*. (Formerly: Journal of the Australian Mathematical Society.)
 Journal of the Society of Environmental Engineers. *Ruislip, Middlesex, United Kingdom*
 Kexue Tongbao (Scientia). (Translated by Plenum/China Program, New York.)
 Letters in Heat and Mass Transfer. *Oxford, United Kingdom*
 Mathematics Lecture Series. *Boston, Mass.*
 Matematika Sciences. *Saharanpur, India*
 Mechanics Today. *Oxford, United Kingdom*
 Middle East Technical University Journal of Pure and Applied Sciences. *Ankara, Turkey*

Naval Architect. *London.* (Formerly: Naval Architect, Journal of the Royal Institution of Naval Architects.)

Non-Destructive Testing. *Guildford, Surrey, United Kingdom*

Polymer-Plastics Technology and Engineering. *New York*

Power Engineering. (Translation of Izvestiya Akademii Nauk SSSR. Energetika i Transport by Allerton Press Inc., New York.)

Progress in Aerospace Sciences. *Oxford, United Kingdom*

Shock and Vibration Digest. *Washington, D.C.*

Soviet Journal of Nondestructive Testing. (Translation of Defektoskopiya by Consultants Bureau, New York and Scientific Information Consultants Limited, London.) (Formerly: Soviet Journal of Nondestructive Testing. (Translation of Defektoskopiya by Consultants Bureau, New York.)

Soviet Materials Science. (Translation of Fiziko-Khimicheskaya Mekhanika Materialov by Consultants Bureau, New York.)

(Formerly: Soviet Materials Science. (Translation of Fiziko-Khimicheskaya Mekhanika Materialov by Faraday Press, New York.)

Soviet Physics—Collection. (Translation of Litovskii Fizicheskii Sbornik by Allerton Press Inc., New York.)

Soviet Physics—Lebedev Institute Report. (Translation of Sbornik Kratkie Soobshcheniya po Fizike. AN SSR. Fizicheskii Institut im- N.N. Lebedeva by Allerton Press Inc., New York.)

Stroitel'naya Mekhanika i Raschet Sooruzhenii. *Moscow*

Transport Theory and Statistical Physics. *New York*

Ukrainskii Matematicheskii Zhurnal. *Kiev*

Valtion Teknillinen Tutkimuslaitos, Sarja IV, Kemia. *Helsinki*
Vestnik, Akademii Nauk Kazakhskoi SSR. *Alma-Ata*

Vestsi Akademii Navuk BSSR, Seryya Fizika-Energetychnikh Navuk. *Minsk*

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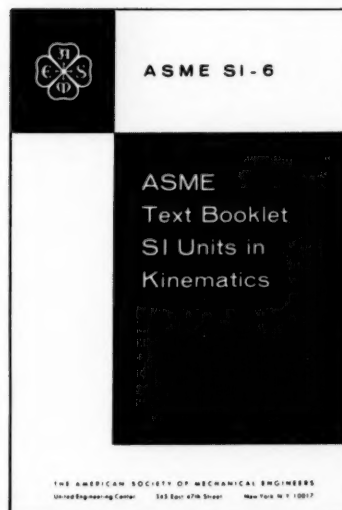
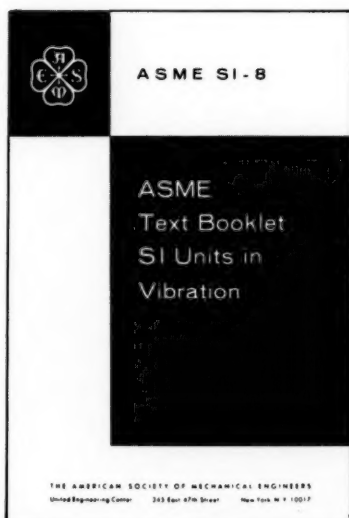
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